

Joint Service Aircrew Mask (JSAM)



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JSAM Overview

- **SYSTEM DESCRIPTION**
- **PROGRAM OVERVIEW**
- **PROGRAM FOCUS**
- **PROGRAM SCHEDULE**
- **CONTRACT OPPORTUNITIES**
- **SUMMARY / CHALLENGE TO INDUSTRY**

System Description

- **Chemical/Biological (CB) warfare aircrew eye/respiratory protection system.**
 - **Modularity**
 - **Provide Simultaneous CB and pressure breathing for G in fighters**
 - **Compatible with existing aircrew life support equipment**
 - **CB protective portion Donned / Doffed in flight**

Program Overview

Program Objective Statement

"Develop, produce, and field an affordable, high quality head-eye-respiratory Chemical/Biological (CB) protection system for virtually all aircraft in the DoD inventory that also provides simultaneous acceleration (G_z) protection in high performance aircraft. Ideally, one configuration of JSAM will be all things to all users, however, due to the diverse mix of operational requirements inherent in a joint program, it is expected that modularity will be necessary to address specific mission needs. It is desired that JSAM function as the aircrew member's

Program Overview

Technological Barriers

- **Thermal**
- **Aircraft / Aircrew Integration**
- **Don / Doff in Flight**

Program Overview

Needed Technologies

- **Filtration - Toxic Industrial Materials**

*Joint Service Aircrew
Mask*

Program Overview

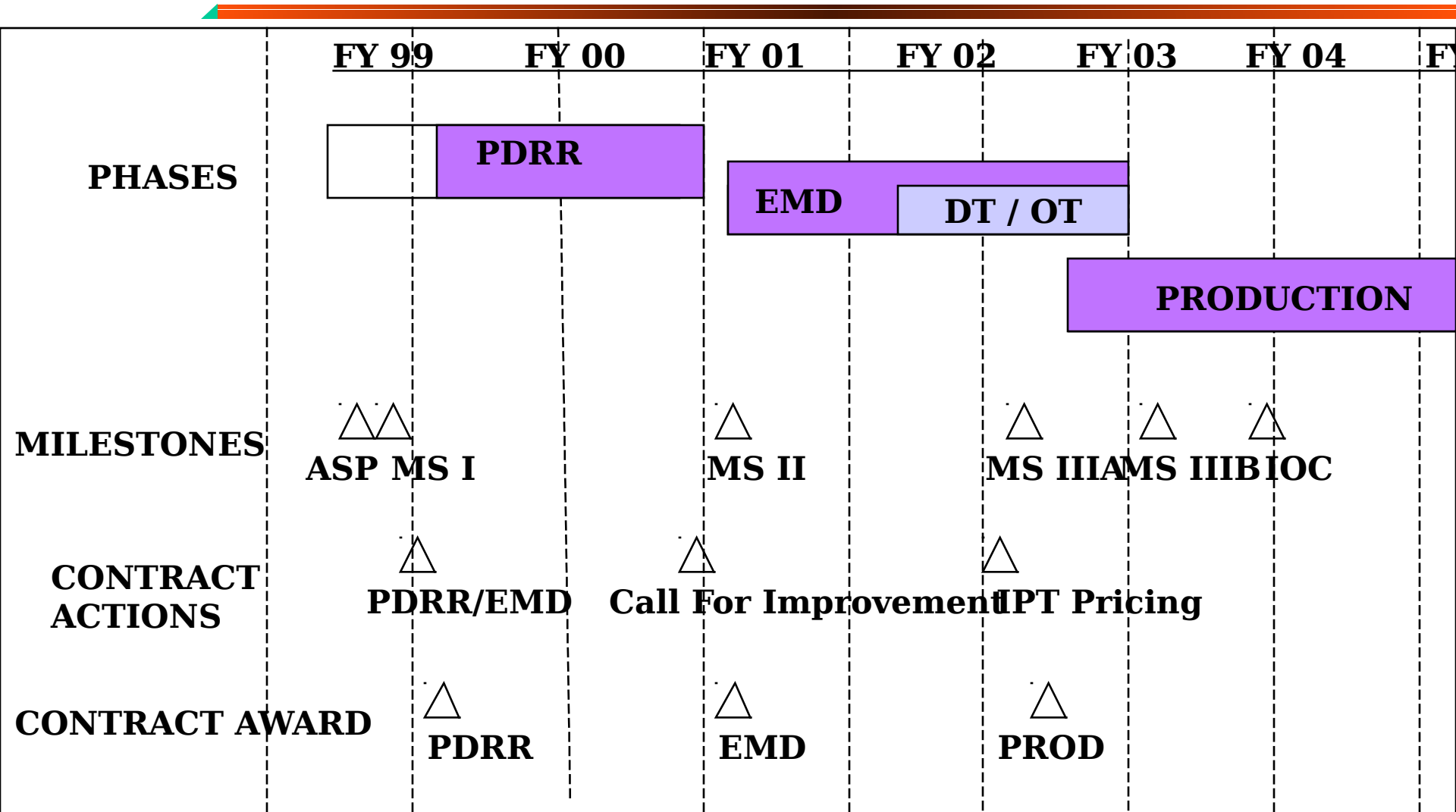
Anticipated Benefits/Payoffs

- **Common System Across Joint Services'**
- **Affordable *Balance Between Cost and Performance***
- **Modular Components**
- **Reduced Life Cycle Cost**
- **Reduced Aircrew Burden**
- **Train as We Fight!**

PROGRAM FOCUS

- **Finalizing Acquisition Strategy**
- **Milestone Decision 4QFY99**
- **Contract Award targeted for Jan 00**

Program Schedule



CONTRACT OPPORTUNITIES

- **Draft RFP Released**

www.brooks.af.mil/HSC/PKA/programs/jsam/master.html

- **RFP Release Planned for 4QFY00**

- **Program Definition and Risk Reduction (PDRR) with Engineering and Manufacturing Development (EMD) Option**
- **Estimated Range of contract Value is**
 - **FY00 of 3.5M**
 - **FY01 of 5.5M**

- **POC for contract action is Ms Sharon**

Bickford (PCO), DSN 240-4571 Comm 210-

SUMMARY / CHALLENGE TO INDUSTRY

- **Challenges to Industry**
 - **Innovative System Meeting the Requirements**
 - **Affordable System**
 - **Simultaneous CB and acceleration (g_z) protection in high performance aircraft**
 - **Don/Doff Capability**
 - **Common System Across Joint Services'**
 - **Reduced Aircrew Burden**